

# **NOTIFICATION OF ADDENDUM**

## **ADDENDUM NO. 2**

**DATED 10/19/2009**

<b>Control</b>	<b>0037-03-071, ETC.</b>
<b>Project</b>	<b>STP 2009(237)ES</b>
<b>Highway</b>	<b>US 83, ETC.</b>
<b>County</b>	<b>ZAVALA, ETC.</b>

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 2009(237)ES

CONTROL: 0037-03-071

COUNTY: ZAVALA

LETTING: 10/21/2009

REFERENCE NO: 1016

**PROPOSAL ADDENDUMS**

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\_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 1 OF 4. )

X GENERAL NOTES (SH. NO.: "C". )

\_ SPEC LIST (SH. NO.: )

\_ SPECIAL PROVISIONS:

ADDED:

DELETED:

\_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: SEE CHANGES BELOW.

DESCRIPTION OF ABOVE CHANGES  
(INCLUDING PLANS SHEET CHANGES)

PROPOSAL:

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BID INSERTS -

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REVISED QUANTITY FOR BID ITEM 316-2244.

GENERAL NOTES -

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ON SPEC DATA SHEET "C", UNDER ITEM 316, REVISED QUANTITIES ON  
SURFACE TREATMENT DATA TABLE.

PLANS:

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PLAN SHEET 10A (GENERAL NOTES) -

ON SPEC DATA SHEET "C", UNDER ITEM 316, REVISED QUANTITIES ON  
SURFACE TREATMENT DATA TABLE.

DESCRIPTION OF ABOVE CHANGES  
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

PLAN SHEET 11 (PROJECT SUMMARIES) -  
REVISED QUANTITY FOR BID ITEM 316-2244 UNDER PROJECT REF. NUMBERS 8 & 9  
AND UNDER SHEET TOTAL.

PLAN SHEET 12 (E & Q SHEET) -  
REVISED QUANTITY FOR BID ITEM 316-2244.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	316	2006		ASPH (AC-20-5TR)  DOLLARS and CENTS	GAL	508,288.000	1
	316	2244		AGGR(TY-PE GR-3S SAC-B)  DOLLARS and CENTS	CY	11,073.000	2
	316	2247		AGGR(TY-PE GR-4S SAC-B)  DOLLARS and CENTS	CY	2,565.000	3
	500	2001	005	MOBILIZATION  DOLLARS and CENTS	LS	1.000	4
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING  DOLLARS and CENTS	MO	5.000	5
	506	2016	010	CONSTRUCTION EXITS (INSTALL) (TY 1)  DOLLARS and CENTS	SY	400.000	6
	506	2019	010	CONSTRUCTION EXITS (REMOVE)  DOLLARS and CENTS	SY	400.000	7
	506	2034	010	TEMPORARY SEDIMENT CONTROL FENCE  DOLLARS and CENTS	LF	200.000	8
	510	2001		ONE-WAY TRAFFIC CONTROL  DOLLARS and CENTS	HR	1,000.000	9
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W  DOLLARS and CENTS	EA	7,636.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	16,087.000	11
	666	2003		REFL PAV MRK TY I (W) 4" (BRK)(100MIL) DOLLARS and CENTS	LF	25,855.000	12
	666	2012		REFL PAV MRK TY I (W) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	305,942.000	13
	666	2036		REFL PAV MRK TY I (W) 8" (SLD)(100MIL) DOLLARS and CENTS	LF	4,929.000	14
	666	2042		REFL PAV MRK TY I (W) 12"(SLD)(100MIL) DOLLARS and CENTS	LF	3,824.000	15
	666	2048		REFL PAV MRK TY I (W) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	2,352.000	16
	666	2054		REFL PAV MRK TY I (W) (ARROW) (100MIL) DOLLARS and CENTS	EA	93.000	17
	666	2069		REFL PAV MRK TY I(W)(DBL ARROW)(100MIL) DOLLARS and CENTS	EA	42.000	18
	666	2096		REFL PAV MRK TY I (W) (WORD) (100MIL) DOLLARS and CENTS	EA	24.000	19
	666	2105		REFL PAV MRK TY I (Y) 4" (BRK)(100MIL) DOLLARS and CENTS	LF	92,820.000	20

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	2111		REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	229,278.000	21
	666	2126		REFL PAV MRK TY I (Y) 12"(SLD)(100MIL) DOLLARS and CENTS	LF	5,589.000	22
	666	2142		REF PAV MRK TY II (W) 4" (BRK) DOLLARS and CENTS	LF	25,855.000	23
	666	2145		REF PAV MRK TY II (W) 4" (SLD) DOLLARS and CENTS	LF	305,942.000	24
	666	2153		REF PAV MRK TY II (W) 8" (SLD) DOLLARS and CENTS	LF	4,929.000	25
	666	2155		REF PAV MRK TY II (W) 12" (SLD) DOLLARS and CENTS	LF	3,824.000	26
	666	2157		REF PAV MRK TY II (W) 24" (SLD) DOLLARS and CENTS	LF	2,352.000	27
	666	2160		REF PAV MRK TY II (W) (ARROW) DOLLARS and CENTS	EA	93.000	28
	666	2165		REF PAV MRK TY II (W) (DBL ARROW) DOLLARS and CENTS	EA	42.000	29
	666	2173		REF PAV MRK TY II (W) (WORD) DOLLARS and CENTS	EA	24.000	30
	666	2176		REF PAV MRK TY II (Y) 4" (BRK) DOLLARS and CENTS	LF	92,820.000	31

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	2178		REF PAV MRK TY II (Y) 4" (SLD) DOLLARS and CENTS	LF	229,278.000	32
	666	2183		REF PAV MRK TY II (Y) 12" (SLD) DOLLARS and CENTS	LF	5,589.000	33
	672	2010	034	REFL PAV MRKR TY I-A DOLLARS and CENTS	EA	821.000	34
	672	2012	034	REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	466.000	35
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	7,098.000	36
	672	2017	034	REFL PAV MRKR TY II-C-R DOLLARS and CENTS	EA	2,175.000	37

**Project Number:**

**Sheet:** \_\_\_\_\_

**County:** Zavala, ETC.

**Control:** 0037-03-071, ETC.

**Highway:** VARIOUS

**GENERAL NOTES:**

**General Requirements and Covenants:**

Conform sign types for which details are not shown in the plans to the "Texas MUTCD".

Remove all existing raised pavement markings and rumble strips as the work progresses and dispose from the project site in a manner approved by the Engineer. This work will not be paid directly, but will be subsidiary to the various bid items.

Remove materials larger than 4 inches in size within the construction limits and not incorporated into the roadway construction from the right of way and dispose of it in a proper manner acceptable to the Engineer. This work will not be paid for directly, but will be subsidiary to the various bid items.

Follow the requirements of the Texas Aggregate Quarry and Pit Safety Act if waste areas or material source areas result from this project.

Maintain the right of way free of trash, construction debris and surplus materials as shown in the plans and/or as determined/approved by the Engineer.

Retain, store or deliver any materials removed and not reused and determined to be salvageable by the Engineer within the project limits at an approved secure location. Deliver undamaged to the salvage/storage yard as directed by the Engineer. Dispose of materials that are not determined to be salvageable by the Engineer. Deface and dispose of signs in such a manner that they will not reappear in public as signs.

Regulate all construction traffic as to cause a minimum of inconvenience to the traveling public. At times when it is necessary for trucks to stop, unload, or cross roadways under traffic, warning signs and flaggers shall be provided as necessary to adequately protect the traveling public, and as directed by the Engineer.

Provide for safe and convenient access to abutting property, highway, public roads, and street crossings except as otherwise provided for and approved by the Engineer.

Upon completion of work on each roadway project, thoroughly clean all construction materials, sweep all excess rock, and restore all stockpile delivery sites to natural conditions or satisfactory of the Engineer prior to the final acceptance before removing barricades from the project.

**Supervision:**

The Area Engineer of the office listed below is the Engineer's Representative in charge of the inspection of all work in this contract. The Pre-Construction Meeting shall be held at this location and all requests for payment shall be certified by this office.



**Project Number:**

**Sheet:** \_\_\_\_\_

**County:** Zavala, ETC.

**Control:** 0037-03-071, ETC.

**Highway:** VARIOUS

Carrizo Springs Area Office  
2001 N. 1<sup>st</sup> St.  
Carrizo Springs, TX 78834  
(830) 876-2535

#### **ITEM 5 CONTROL OF THE WORK:**

Reference all existing striping and pavement markings in a manner which allow the markings to be re-established. Place extra reference (if needed) to ensure that the markings (lane lines, edge lines, ramp gores, etc.) are in-line with signs on OSB's, TMS arrows, etc.

#### **ITEM 7 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC:**

Upon completion of all work provided for in the contract for any individual project, the Engineer will make an inspection. If it is found to be satisfactory, the Contractor will be released from further maintenance on that individual project. Such partial acceptance will be made in writing and will in no way void or alter any terms of the contract.

#### **ITEM 8 PROSECUTIONS AND PROGRESS:**

The open season for application of asphalt is from April 15<sup>th</sup> to August 31<sup>st</sup> unless, due to unusual situations, it is specifically authorized otherwise in writing by the engineer.

#### **ITEM 302 AGGREGATE FOR SURFACE TREATMENTS:**

Use a minimum Class B for the coarse aggregates of the surfaces of the travel lanes, as published in the aggregate quality monitoring program rated source quality catalogue.

Previously tested aggregates delivered to the project, which are found to contain excessive quantities of dust (more than 0.5 percent passing the no. 40 sieve) during pre-coating, stockpiling or hauling operations, can be rejected by the Engineer. Use test method TEX-200-F, Part I for testing.

Use aggregate Type PE as the pre-coated aggregate consisting of crushed slag, crushed stone or natural limestone rock asphalt.

Remove excess aggregate material within the construction limits and not incorporated into the roadway construction from the right of way and dispose of it in a proper manner acceptable to the Engineer. This work will need to occur prior to the job being accepted and will not be paid for directly, but will be subsidiary to the various bid items.

**Project Number:**

**Sheet:** \_\_\_\_\_

**County:** Zavala, ETC.

**Control:** 0037-03-071, ETC.

**Highway:** VARIOUS

**ITEM 316 SURFACE TREATMENTS:**

Surface Treatment Data	
Description	SEAL COAT
Area	1,252,876 SY
Asph – -Type	AC 20 – 5TR = 508,288 GAL.
Asph – - Rate (Gal/sy)	AC 20 -5TR = 0.42 *AC 20 -5TR = 0.35
Aggr – - Types/GR	TY-PE, GR-3S SAC – B TY-PE, GR-4S SAC – B
Aggr – - Rate (CY/SY)	1.TY-PE GR-3S SAC - B = $1/90 = 11,073$ CY  2.TY-PE GR-4S SAC- B = $1/100 = 2,565$ CY

\*When using grade 4 aggregate, the asphalt rate will be 0.35 GAL/SY.

**NOTE – DO NOT SEAL COAT CONCRETE DECKS WITHIN THE PROJECT LIMITS.**

Dependent upon weather conditions and or season of application the Engineer will direct the asphalt type to utilize.

Asphalt and aggregate rates are for estimation purposes only and may be adjusted by the Engineer depending on the material used. Keep aggregate rate to a minimum as directed by the Engineer. Allow a minimum 24 hour curing period in the event emulsions are used before placing any subsequent asphalt courses.

Take precautionary measures to avoid drifting of asphalt on to traffic and adjacent properties when using latex asphalt.

Set a string line for all surface treatment operations unless otherwise approved by the Engineer.

The Engineer will approve the location of aggregate stockpiles. Place the aggregate at a location where it will be free of excess surface moisture, as determined by the Engineer, before application.

Only one type of aggregate “modified” or “not” can be used for each project location.

**Project Number:**

**Sheet:** \_\_\_\_\_

**County:** Zavala, ETC.

**Control:** 0037-03-071, ETC.

**Highway:** VARIOUS

Flux oil or emulsions may be used for pre-coating LRA and LRA-trap rock blends. Dry the pre-coated aggregate to the satisfaction of the Engineer when emulsions are used as the pre-coat material. It will be the responsibility of the Contractor/Producer to provide adequate drying and a minimum 30 day curing period before delivery of the aggregates. The Engineer reserves the right to reject any pre-coated aggregate which is improperly coated or otherwise unsatisfactory for use.

If the aggregates to be pre-coated are found to have stripping characteristics, the Engineer may require the addition of an anti-stripping agent. Add 1% hydrated lime by weight to aggregate when choosing lime as an anti-stripping agent. Lime needs to meet DMS-6350 requirements and is to be considered subsidiary to this item.

Ensure that the asphalt used for pre-coating the aggregate at the plant and the asphalt used for the surface treatment at the project site will not result in a reaction that may adversely affect the bonding of the aggregate and asphalt during the surface treatment operation.

Addition of bag house fines will not be permitted in the production of pre-coated material.

Pre-coated aggregate that do not maintain flow qualities and can not be satisfactorily spread by approved mechanical spreading devices are not acceptable.

Stockpiles of aggregate pre-coated with AC may generate excessive heat build-up resulting in damage to the asphalt and/or aggregates if adequate cooling has not been initially provided. Stockpiles showing evidence of excessive heat build-up can be rejected by the Engineer.

Execute all rolling in accordance with Item 210 (medium, Pneumatic tire) at the approximate rate of 1 hr/3000 SY or as directed by the Engineer. The light pneumatic roller will be acceptable at the approximate rate of 1 hr/2000 SY. Tire pressure and ballast of all pneumatic rollers will be of continuing interest by the Engineer, and will be in accordance with Item 210.

Configure the asphalt distributor spray bar so that nozzles over the wheel paths of the road spray 15% less than the nozzles over other areas of the roadway, unless otherwise directed the Engineer. The nozzle configuration may be changed from project to project as directed by the Engineer. Provide the variable size nozzles and provide the Engineer with documentation certifying the calibration of the nozzles. The variable size nozzles will not be paid for directly, but is subsidiary to Item 316.

The Contractor's attention is called to the fact that a minimum of four (4) sweepers/brooms shall be utilized behind the rollers to prevent excess aggregate build up.

Repair surface flushing and bleeding locations on all projects. This work will not be paid directly, but is subsidiary to Item 316.

**Project Number:**

**Sheet:** \_\_\_\_\_

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**Control:** 0037-03-071, ETC.

**Highway:** VARIOUS

**ITEM 502 BARRICADES, SIGNS AND TRAFFIC HANDLING:**

State Standard Sheet(s) "Traffic Control Plan (TCP)" requires that certain signs are to remain in place until the standard pavement markings are placed. Place the standard markings no later than 14 days after surface treatment operations are completed.

Refer to the traffic control plan for this project as shown in the plans, as detailed on the "Barricade and Construction Standard" sheets and as provided for in the current "Texas MUTCD".

Shadow vehicles with Truck Mounted Attenuators will be required on moving operations only.

Provide truck-mounted attenuators (TMA) in accordance with the State Standard Sheet(s) for "Traffic Control Plan", "Barricades and Construction", and "Texas MUTCD" when a shadow vehicle is used.

Provide a letter certifying that all TMA's used on this project that were purchased on or after October 1, 1998 have been found to be crashworthy using the criteria outlined in the national cooperative highway research program (NCHRP) report 350 to the Engineer. If the TMA was purchased prior to October 1, 1998, provide a letter certifying crashworthiness using the criteria outlined in either NCHRP reports 230 or 350 to the Engineer.

Place eight inches of both red and white stripes in an inverted "V" design on the back of all TMA's. Conform all sheeting to Departmental Material Specification D-9-8300, Type C.

Assure that previously used TMA's meet the NCHRP 230 requirements and all new Truck Mounted Attenuators meet NCHRP 350 requirements.

The time frame for the Contractor to provide properly maintained traffic control devices before they are considered to be in non-compliance with this Item, is 48 hours regardless of the days of the week involved after notification is done in writing by the Engineer. If the Contractor doesn't take the necessary steps approved by the Engineer to eliminate the non-compliance conditions within the 48 hours established above, payment for this Item for the month(s) in non-compliance can be withheld as covered in Section 502.4(B).

Furnish all traffic control and comply with the current Texas MUTCD, Traffic Control Plan (TCP) and Barricades and Construction Standards (BC), Pavement Marker Standards (PM), and Work Zone Standard (WZ). Conduct construction methods so as to provide the least possible interference to traffic and to permit the continuous movement of traffic in all allowable directions at all times. Clean up and remove from the work area all loose material resulting from contract operations at the end of each work day.

The length of the work area shall be limited to a distance where the traveling public waits no more than 10 minutes.

**Project Number:**

**Sheet:** \_\_\_\_\_

**County:** Zavala, ETC.

**Control:** 0037-03-071, ETC.

**Highway:** VARIOUS

The Contractor is fully responsible for the traffic control and will be responsible for furnishing all traffic control devices, and flaggers.

A pilot car and radio equipped flagmen is required for all undivided roadway locations as directed by the Engineer. The pilot car with necessary flagmen and/or radio equipped flagmen and all signs, equipment, labor and incidentals required for this method of traffic control will be paid for directly through Item 510.

Note the "No Center Stripe" sign and other signs in the "Traffic Control Details for Seal Coat Operations" which are included in the plans. Furnish and install these signs and keep in place after completion of the surface treatment operation until standard pavement markings are placed but no longer than 3 days. These signs are in addition to the signs and barricades that may be required on the "BC" standard sheets.

#### **ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS:**

The SW3P for this contract consists of Temporary Sediment Control Fence and Construction Exits to be utilized as deemed necessary by the Engineer.

#### **ITEM 666 REFLECTORIZED PAVEMENT MARKINGS:**

Temporary tabs must be completely removed prior to placement of striping.

Mark the locations of the standard pavement markings, as directed. Pavement markings determined to have been placed incorrectly, such as no-passing zones, gore areas, turn lanes, etc., will be removed and replaced by approved methods, at no additional cost to the State.

For TY I markings, the minimum thickness of spray-applied markings, as measured on a flat plate by micrometer or similar device will be 0.100 inches (100 mil) for all stop bars, legends, and symbols. Use the thickness for all other lines as shown in the standard specifications. These thicknesses are required for the full width of the line being placed.

Apply all markings in accordance with the plans, Texas MUTCD and as directed/approved by the Engineer after the surface has cured for two (2) days, been cleaned and prepared according to the specifications and as directed/approved by the Engineer. Apply thermoplastic markings directly over existing painted pavement markings only where applicable and as outlined in the 2004 Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges.

Apply 0.100 inches (100 mils) of thickness for all other lines (lane, edge, no passing, etc.). These thicknesses are required for the full width and length of the line being placed.

**Project Number:**

**Sheet:** \_\_\_\_\_

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Place the Type II markings a minimum of 14 calendar days or in advance of the Type I markings if Type II markings are used as the sealer for the Type I markings.

Use an acrylic sealer in lieu of paint and beads as directed by the Engineer.

For surface treatment projects, leave the final course in place for two (2) days and broom the roadway directly ahead of the striping machine prior to placing standard pavement markings.

If Ty II markings are used as the sealer for the TY I markings, place the TY I no earlier than 30 and no later than 45 calendar days after the placement of the TY II markings.

**ITEM 672 RAISED PAVEMENT MARKERS:**

Mount adhesive dispensing equipment into truck or trailer. Place all adhesive material directly from the heated dispenser to the pavement. Portable or not-heated containers will be allowed for the placement of the adhesive material.

Use a crew experienced in the work of raised pavement marker replacement and/or installation and in the necessary traffic control.

All raised pavement markers shall meet Departmental materials specifications DMS 4200, Pavement Markers (Reflectorized) and high volume (HV) classification. TxDOT's General Services Division maintains a list of qualified suppliers.

Place the proposed reflective pavement markers in accordance with TxDOT standards.

Clean the pavement at each location where markers are to be placed in such a manner as to remove all dirt and loose debris before application. This cleaning will not be paid for directly, but will be subsidiary to item 672 "Raised Pavement Markers."

Prior to placement of all raised pavement markers on concrete pavement, the surface will be blast-cleaned using an abrasive blasting medium. This work will not be paid for directly, but will be subsidiary to bid item 672 "Raised Pavement Markers."

Use bituminous adhesive on bituminous pavements. Do not use epoxy adhesive on portland cement concrete pavement.